

Abstract Of The Disclosure

A flexible, hollow, waveguide is featured, that
functions in the visible region. The waveguide comprises a
5 hollow, flexible, silica-glass tube having a smooth bore,
that is coated with a reflective substance on the inner bore
surface. A composite of two sulfide materials are then
layered over the reflective substance. The sulfide materials
form a high contrasting refractive index of approximately
10 2:1, thus creating a photonic, bandgap tube.